

Application No. 10/628,368
Reply to the Office action of 07/14/2005

Amendments to the Specification:

Please replace paragraph [0014] with the following amended paragraph:

[0014] Fig. 4 is a cross-sectional view of a nacelle inlet lip anti-icing system in accordance with a fourth embodiment of the present invention; and

Please replace paragraph [0015] with the following amended paragraph:

[0015] Fig. 5 is a cross-sectional perspective view of a nacelle inlet lip anti-icing system in accordance with a fifth embodiment of the present invention; and

Please add the following new paragraph [015.1] after paragraph [0015]:

[015.1] Fig. 6 is a partially sectioned side elevation schematic of an aircraft engine mounted within a nacelle having the inlet lip anti-icing system of Fig. 1, showing a schematic control system used therewith.

Please replace paragraph [0027] with the following amended paragraph:

[0027] As seen in Fig. 6, there is also preferably included a control system 80 incorporated for managing the anti-icing system 30 to ensure that consistent performance to support heat transfer and engine oil circulation is achieved. The control system 80 will also ensure that in case of damage to the inlet lip resulting in a potential oil leak to outside of the passage, the oil flow to the inlet lip will be cut off and diverted back to the engine. Such an oil leak is detected by at least one sensor 82 disposed in communication with a counter-measure apparatus 84. The counter-measure apparatus 84, which includes for example a shut-

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off/isolation mechanism, and re-routes the oil to a by-
pass oil passage 88, thus will ensure ensuring that no
oil is fed to the inlet lip for anti-icing. This guards
the engine from the loss of main shaft oil maintaining
continuous engine operation.